

## *Overview of the Workshop Topics*

- Each topic will be introduced by a short presentation of the main issues for discussion.
- A moderator has been appointed for each discussion.
- The aim is to exchange experiences and solutions.
- Some ground rules:
  - Help the moderator
  - Listen to others
  - One debate at a time
  - Stick to the subject
  - Write notes
- We have a lot to cover, so we will try to stick to the schedule, but the most important thing is to get your input and opinions.



## *Topic 1 : Scope and Fidelity of Experimentation*

- **Presenter: PK**
  - **Moderator: Didier**
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- **Main Issues:**
    - **How much can be done with a single validation activity?**
    - **The perils of having too many objectives.**
    - **What level of realism is needed?**



## *Topic 2 : Experiences of Applying Experimental Design to Simulation Studies*

- **Presenter: Juergen**
  - **Moderator: Kara**
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- **Main Issues:**
    - **Types of designs**
    - **Allowing for technical problems**
    - **Estimating sample-size**
    - **Particular problems**
    - **Note: controlling variance and use of scenarios are addressed separately**

## *Topic 3 : Controlling Variance and Sources of Error*

- **Presenter: Karen**
  - **Moderator: Barry**
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- **Main Issues:**
    - **Inter- and Intra-subject variability**
    - **Order and learning effects**
    - **Data quality**
    - **Working environment**
    - **Random and fixed effects**



## *Topic 4 : Airspace & Traffic Scenarios*

- **Presenter: Ben**
  - **Moderator: Patrizia**
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- **Main Issues:**
    - **Generic airspace**
    - **What level of traffic?**
    - **Scripted scenarios**
    - **Equivalent traffic samples**
    - **Learning effects / familiarity**

## *Topic 5 : Subjective and Objective Data*

- **Presenter: Robin**
  - **Moderator: PK**
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- **Main Issues:**
    - Subjective or objective?
    - Quantitative or qualitative?
    - Observed or reported?
    - Are these classifications useful?
    - Metrics or methods?

## *Topic 6 : Statistical and Operational Significance*

- **Presenter: Alistair**
  - **Moderator: Carol**
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- **Main Issues:**
    - **Real-world significance of findings**
    - **Avoiding misinterpretation**
    - **Presenting the results**



## *Topic 7 : Managing the Validation Process*

- **Presenter: Nigel**
  - **Moderator: Sandy**
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- **Main Issues:**
    - **Keeping the overview**
    - **Maintaining relevance**
    - **Stakeholder involvement**